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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Prajakta S. Joshi

Application No. : 10/674,627

Filed : September 29, 2003

For : GLOBAL SERVER LOAD BALANCING SUPPORT FOR
PRIVATE VIP ADDRESSES

Examiner : Ted T. Vo

Art Unit : 2191

Docket No. : 350078.409

Date : January 19, 2007

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AFFIDAVIT OF PRAJAKTA S. JOSHI

Commissioner for Patents:

  1. My name is Prajakta S. Joshi, and I have the mailing address indicated below:

Prajakta S. Joshi
Foundry Networks, Inc.
4980 Great America Parkway
Santa Clara, California 95054
United States

  2. I am an original, first, and sole inventor of the subject matter that is claimed in and for which a patent is sought by U.S. Patent Application Serial No. 10/674,627 identified above (the "present application").

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3.   I am currently employed as a software engineer in the Layers 4-7 Group at
Foundry Networks, Inc. (the assignee of the present application), and have been employed at
Foundry Networks, Inc. since approximately April 2002.

4.   My employment duties include the design, testing, and implementation of
products and features for Foundry Networks, Inc.'s Global Server Load Balancing (GSLB)
technology, to which the subject matter of the present application is directed.

5.   My educational background includes a Bachelor's of Engineering from
University of Pune in India in 1998 and a Masters of Computer Science from the University of
Southern California in 1999.

6.   Based on my educational and industry experience described above, I
consider myself to be knowledgeable of the subject matter described in Foundry Networks, Inc.'s
white paper entitled "Server Load Balancing in Today's Web-Enabled Enterprise" (hereinafter
"the White Paper"), which has been cited by the U.S. Patent Office against the claims in the
present application.

7.   I have read and understand the subject matter described in the White
Paper.

8.   Page 6 *et seq.* of the White Paper describes operation of Foundry Network,
Inc.'s GSLB technology that does not include implementation of my invention as claimed in the
present application. Specifically, from the April 2002 date of the White Paper up to the date
before my invention, for a situation where a private virtual IP address is configured at a site
switch (such as at the site switch in Hong Kong shown in the figure on page 6 of the White
Paper) and where such private virtual IP address was mapped to a public virtual IP address, the
site switch would not be aware of this mapping and would communicate the private virtual IP

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address configured thereon to the load balance switch (shown as the controller GSLB switch or "CGS" in the figure in page 6 of the White Paper).

9.   Communication of the private virtual IP address to the load balance switch (CGS) caused certain problems in the use of a load balancing algorithm by the load balance switch of the White Paper. These problems are explained on pages 2-4 of the present application.

10.   I was assigned with the task of solving such problems. To address such problems, the embodiments of my invention described in the present application provided the following example features: (a) obtained, by the site switch, mapping information that provided a translation between a private virtual IP address configured at that site switch and a public virtual IP address, (b) provided the public virtual IP address from the site switch to the load balance switch, (c) the load balance switch updated an address record to indicate the public virtual IP address as being associated with the site switch.

11.   At least these features of the embodiments of my invention were not present in the implementation of the GSLB technology described in the White Paper. For example and before my invention for an implementation involving a private virtual IP address configured at a site switch and mapped to a public virtual IP address, the site switch in Hong Kong (shown in the figure on page 6 of the White Paper) did not receive such mapping information from a mapping device (such from as a network address translation device or firewall), and therefore, such site switch in Hong Kong would not have communicated the public virtual IP address to the load balance switch, communicating instead the private virtual IP address.

12.   I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. I make these statements with the knowledge that willful false statements and the like are punishable by fine or

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imprisonment, or both (18 U.S.C. 1001) and may jeopardize the validity of the application or any patent issuing thereon.

01/29/2008
Date

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